



7K7

7K7

TWIN DIODE—HIGH-MU TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 6.3[□] ac or dc volts

Current. 0.3^{□□} amp

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8BF

Pin 1—Heater

Pin 2—Triode

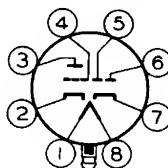
Cathode

Pin 3—Triode Plate

Pin 4—Triode Grid

Pin 5—Diode-No.2

Plate



Pin 6—Diode-No.1

Plate

Pin 7—Cathode of

Diode-No.1 &

Diode-No.2

Pin 8—Heater

Plug—Base Shell

TRIODE UNIT AMPLIFIER—Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 250 max. volts

Typical Operation and Characteristics:

Plate Voltage. 250 volts

Grid Voltage -2 volts

Amplification Factor 70

Plate Resistance 44000 ohms

Transconductance 1600 μ mhos

Plate Current. 2.3 ma

DIODE UNITS—Two

The two diode units have a common cathode and are independent of the triode unit. Further consideration of the diode units including diode curves is given at the front of this Section.

[□]Nominal voltage = 7.0 volts

^{□□}Nominal current = 0.32 amperes.

MAY 20, 1949

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA